



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:	) Group Art Unit: 2818
Toru TAKAYAMA et al.	) Examiner: T. Le
Serial No. 10/664,866	) <u>CERTIFICATE OF MAILING</u> I hereby certify that this correspondence i
Filed: September 22, 2003	being deposited with the United States Posta Service with sufficient postage as First Clas
For: METHOD FOR MANUFACTURING	) Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450
SEMICONDUCTOR DEVICE AND	) Alexandria, VA 22313-1450, o
HEAT TREATMENT METHOD	) Case Figuro

## **INFORMATION DISCLOSURE STATEMENT**

Honorable Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, Applicant submits herewith a Form PTO-1449 listing information known to Applicant and requests that this information be made of record in the above identified application. Copies are submitted herewith in accordance with 37 C.F.R. 1.98(a).

Copies of U.S. patents and U.S. publications are not enclosed in accordance with the Notice published in the Official Gazette on August 5, 2003 entitled *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003*, which waives the requirement under 37 CFR 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. publication.

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A check in the amount of \$180 is being submitted to comply with the provisions of 37 C.F.R. § 1.97(c).

Respectfully submitted,

Reg. No. 38,285

Robinson Intellectual Property Law Office, P.C.

**PMB 955** 

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0756-7201

	Application Number	10/664,866	
TRANSMITTAL	Filing Date	September 22, 2003	
FORM	First Named Inventor	Toru TAKAYAMA et al.	
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sed for all correspondence after initial filing)	Examiner Name	T. Le	

**Attorney Docket Number** 

	_ EI	NCLOSURES (check all that apply)		
Fee Transmittal Form  Fee Attached  Amendment / Reply  After Final  Affidavits/declaration(s)  Extension of Time Request  Express Abandonment Request  Information Disclosure Statement  Certified Copy of Priority Document(s)  Response to Missing Parts/ Incomplete Application  Response to Missing Parts		Assignment Papers (for an Application)  Drawing(s)  Declaration and Power of Attorney  Licensing-related Papers  Petition  Petition  Petition to Convert to a Provisional Application  Power of Attorney, Revocation Change of Correspondence Address  Terminal Disclaimer  Request for Refund  CD, Number of CD(s)  Remarks  After Allowance Communication to Group Appeal Communication to Board of Appeals and Interferences  Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Proprietary Information  Status Letter  Other Enclosures  1. 2. 3. 4. 5. 6.  Request for Refund  CD, Number of CD(s)  Remarks  The Commissioner is hereby authorized to charge any additional fees required or credit any overpayments to Deposit Account No. 50-2280 for the above identified docket number.		
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OPNFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	September 22, 2003		
SIA	STATEMENT BY APPLICANT		First Named Inventor	Toru TAKAYAMA et al.	
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				Examiner Name	T. Le
Sheet	1	of	2	Attorney Docket Number	0756-7201

			U.S. PATENT DOCUMEN	TS	
Examiner Initials*	Cite No.1	U.S. Patent Document  Number Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<del></del>		2001/0009283	Arao et al.	07/26/2001	
····		2001/0015441	Kawasaki et al.	08/23/2001	
		2002/0001886	Ohtani	01/03/2002	
,	1	2002/0043660	Yamazaki et al.	04/18/2002	
		2002/0101395	Inukai	08/01/2002	
		2002/0110940	Yamagata et al.	08/15/2002	
		2002/0113248	Yamagata et al.	08/22/2002	
		2002/0121860	Seo et al.	09/05/2002	
		6,620,658	Isobe et al.	09/16/2003	
		2003/0013280	Yamanaka	01/16/2003	
		4,951,601	Maydan et al.	08/28/1990	
		5,043,299	Chang et al.	08/27/1991	
		5,286,296	Sato et al.	02/15/1994	
		5,306,651	Masumo et al.	04/26/1994	
		5,310,410	Begin et al.	05/10/1994	
		5,324,360	Kozuka	06/28/1994	
-		5,587,520	Rhodes	12/24/1996	
		6,051,453	Takemura	04/18/2000	
		6,177,302	Yamazaki et al.	01/23/2001	
		6,261,877	Yamazaki et al.	07/17/2001	
		6,323,142	Yamazaki et al.	11/27/2001	
		6,329,229	Yamazaki et al.	12/11/2001	
		6,492,659	Yamazaki et al.	12/10/2002	
		6,492,681	Koyama et al.	12/10/2002	

				FOREIGN PATENT DOC	UMENTS		,
Examiner Initials	Cite No. <sup>1</sup>		Foreign Patent Document Name of Patentee or		Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
		Office <sup>3</sup>	Kind Code <sup>5</sup> Number <sup>4</sup> (if known)	Applicant of Cited Document	MM-DD-YYYY	Figures Appear	т°
		JP	05-044017		02/23/1993		Abst.
		JP	10-084085		03/31/1998		Abst.
			OTHER PRIC	R ART – NON PATENT LITE	RATURE DOCUMENTS		
Examiner Initials	Cite No. <sup>1</sup>			uthor (in CAPITAL LETTERS), , journal, serial, symposium, catal publisher, city and/or coun	og, etc.)., date, page(s), volum		T <sup>2</sup>
		Offi	icial Action dated Oc	ctober 4, 2004 for U.S.	Serial No. 10/664,866	5.	

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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STATEMENT F			First Named Inventor	Toru TAKAYAMA et al.
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Sheet (2)	of	2	Attorney Docket Number	0756-7201

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Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)	Document	WIN-DD-1111	
		6,498,369		Yamazaki et al.	12/24/2002	
		6,576,534		Zhang et al.	06/10/2003	
		6,599,790		Yamazaki et al.	07/29/2003	
		6,602,765		Jiroku et al.	08/05/2003	
		6,614,076		Kawasaki et al.	09/02/2003	
		6,632,749		Miyasaka et al.	10/14/2003	
	+					

				F	OREIGN PATENT DOC	UMENIS	<del></del>	
Examiner Initials*	Cite No.1	Foreign Patent Document			Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
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